2006 RESEARCH PROBLEM STATEMENT					
Problem Title:	Quality and Safety During Nighttime Construction Activities No.:			No.: 06.01-2	
Submitted By:	Rob Wight		E-mail: rwight	@utah.gov	
1. Briefly describe the p	roblem to be addressed:				
	Thas looked to do more and more road cory continue, what are the implications to questions to questions.			c as little as possible.	
Identify ways to incorpora Look at more of the const actual constructability issu	es for the Department – include a checklis ate checklist items into the design process ruction activities and determine the ues (tack coat visibility, saw cutting of co- tines for specific types of construction pro-	(scoping, planning, preconstruct	tion, etc.)	fic activities.	
Strategic Goal:	Preservation X Operation	Capacity X Safety	(Check all that apply)		
		Capacity // Saicty	Check arr that appry		
·	ective(s) to be accomplished:				
1. Literature Search: Star	te of the Art – What are other states doing	?			
2. Identify the impacts on quality, productivity, worker safety and public safety.					
3. Identify effective perf	formance measures.				
, and the second	required to accomplish the research obj	ective(s):	Estimated person-hours		
Literature Search Hold a TAC meeting following literature search where findings are summarized.					
Hold a TAC meeting fonc	owing interactive search where infidings are	summarized.			
2. Prepare draft document for review.					
	for policy, specifications (list requirement, construction costs, user costs, etc.	its for Contractor), summary of	national findings related to	quality, productivity,	
	ties activities to the design process.				
Provide guidelines indicat	ting how to approach nighttime construction	on activities.			
3. Solicit input/comment	s from TAC.				
4. Prepare final documen	t.				
4. Outline the proposed	schedule (when do you need this done,	and how we will get there):			
Start date: July 1, 2006					
Literature Search Comple Draft Document Outlined					
Revisions/Comments: No	ovember 1, 2006				
Final Document: January Library Sessions by Febru					
5. Indicate type of resear	rch and / or development project this is				
Large: Research					
Small: X Research E	valuation Experimental Feat	ure New Product Eval	uation Tech Transfe	er Initiative :	
	best suited to perform this project (Uni	versity, Consultant, UDOT Sta	off, Other Agency, Other)?		
UDOT In House Study					

Page 2					
7. What deliverable(s) would you like to receive at the end of the project? (e.g. useable technical product, design method, technique, training, workshops, report, manual of practice, policy, procedure, specification, standard, software, hardware, equipment, training tool, etc.)					
Technique, training, repor	t, manual of practice				
8. Describe how this pro	ject will be implemented at UDOT.				
It will impact future decis	ions to allow or modify construction work during nighttime hours with respect to safety and quali	ty issues.			
9. Describe how UDOT	will benefit from the implementation of this project, and who the beneficiaries will be.				
UDOT will benefit from the	ne implementation of this project through better decision making relating to nighttime construction	1 activities.			
10. Describe the expected risks, obstacles, and strategies to overcome these.					
 11. List the key UDOT Champion of this project (UDOT employee who will help Research Division steer and lead this project, and will spearhead the implementation of the results): Rob Wight 12. Estimate the cost of this research study including implementation effort (use person-hours from No. 3): In House 					
13. List other champions Advisory Committee for	s (UDOT and non-UDOT) who are interested in and willing to participate in the Technical this study:				
Name	Organization/Division/Region	Phone			
A) REs,					
B) Preconstruction					
C) Local Govts	Consider outlining an agreement that would be formed on a project by project basis with the cities.				
D) Safety					
E) OSHA (coordinate with)					
F)					
G)					
14. Identify other Utah agencies, regional or national agencies, or other groups that may have an interest in supporting this study:					